



3M™ PELTOR™ LiteCom Plus Headset

Pre-programmed Analog 2-way Radio Headset

Product Description

The 3M™ PELTOR™ LiteCom Plus Headset is the next generation protective communication solution. With an integrated, pre-programmed analog two-way radio, noise-cancelling microphone, and level-dependent function for ambient listening, the LiteCom Plus Headset not only helps protect you against hazardous noise, but also makes it easy to communicate in noisy environments and helps you maintain situational awareness.



MT73H7P3E4410EU



MT73H7A4410EU

Key Features

- Pre-programmed analog two-way radio communication
- Waterproof microphone (IP68)
- Level-dependent function for ambient listening
- Voice menu with multiple language selection
- Push-to-Listen function
- Rechargeable battery, Li-Ion
- Voice operated transmission (VOX)
- Busy Channel Lock out (BCLO)
- External connection jack
- Auto power off function
- Battery status indication
- IP54 in use



Hearing protection with built in two-way radio



Noise cancelling boom microphone for clear speech transmission in noisy environments



Hearing protection with level-dependent function for ambient listening



External jack for communicating with external communication devices

Applications

The 3M™ PELTOR™ LiteCom Plus Headset offers wireless communication in noisy environments. Suitable for work in industrial, construction and ground handling applications, when hands-free communication and hearing protection are needed.

Standards and Approvals

Hereby, 3M Svenska AB declares that the product is in compliance with appropriate directives or regulations to fulfill the requirements for the CE and/or UKCA marking. The full text of the EU declaration of conformity is available at the following internet address: www.3M.com/PELTOR/DOC. A copy of the declaration of conformity and additional information required in the directives or regulations can also be obtained by contacting 3M in the country of purchase.

Table 1: Models

| Article number | Description | 3M ID | SAP ID |
|-----------------|--|-------------|------------|
| MT73H7A4410EU | 3M™ PELTOR™ LiteCom Plus PMR446 MHz, Analog, EU version, Headband | UU011019245 | 7100229259 |
| MT73H7P3E4410EU | 3M™ PELTOR™ LiteCom Plus PMR446 MHz, Analog, EU version, Helmet attachment | UU011019229 | 7100229277 |

Table 2: Accessories and Spare parts

| Article number | Description | 3M ID | SAP ID |
|----------------|--|-------------|------------|
| MT9-02 | 3M™ PELTOR™ Throat microphone for LiteCom Plus Headset | UU013773062 | 7100379897 |
| ACK081B/1 | 3M™ PELTOR™ Rechargeable Li-Ion battery pack | UU013044324 | 7100330766 |
| AL2AI/SP | 3M™ PELTOR™ Charge cable for ACK081 | UU004895189 | 7100088372 |
| FR08 | 3M™ PELTOR™ Power Supply for AL2AI/SP | XH001680194 | 7000108521 |
| FL4602-50 | 3M™ PELTOR™ External PTT for LiteCom Plus Headset | UU013659022 | 7100373570 |
| M60/2 | 3M™ PELTOR™ Wind shield for surround mic | XH001652532 | 7000039650 |
| HY83 | 3M™ PELTOR™ Hygiene kit | UU008197921 | 7100113964 |
| HYM1000 | 3M™ PELTOR™ Hygiene tape for boom mic, black | XH001651328 | 7100064281 |
| M171/2 | 3M™ PELTOR™ Wind protector for mic, 2 pcs | UU008159483 | 7100112112 |
| HY80 | 3M™ PELTOR™ Replacement Gel Ear Cushions | 70071524139 | 7000127268 |
| FL6BR | 3M™ PELTOR™ Connecting cable for external PTT Adapter | XH001652029 | 7100016085 |
| MT7V/1 | 3M™ PELTOR™ Dynamic mic for Versaflo M300 serie | UU008014308 | 7100099097 |

Technical Data Specifications

Table 3: Technical Data Specifications

| Model | Weight (with ACK081B) |
|-------------------|---|
| Headband | Approx. 449 g, 509 g (with gel cushion) |
| Helmet attachment | Approx. 472 g, 532 g (with gel cushion) |

Table 4: Built-in Two-way Radio

| | |
|----------------------------|---|
| Frequency range | PMR 446 MHz |
| Operation mode | Half-duplex |
| Channel capacity | 16 |
| Channel spacing | 12,5 kHz |
| Modulation | Analog: 2,5kHz (FM) |
| Microphone type | Dynamic (MT73) |
| Receiver sensitivity | Typical -120 dBm |
| Privacy Codes (subchannel) | 121 codes (CTCSS 38, DCS 83) |
| Output power | Hi 150mW Lo 25mW |
| Range | Outdoors up to 2 km depending on conditions |
| Operating temperature | -20°C to +50°C |

Table 5: Power

| | |
|----------------|--|
| Li-Ion battery | ACK081B included in delivery |
| Charging time | approx. 4 hours |
| Capacity | 3,7 V, 2150 mAh, 8Wh |
| Operating time | Up to 21 hours (80 stby / 10 tx / 10 rx) |

Table 6: Storage

| | |
|--------------------------------|---------------------------------------|
| Recommended storage conditions | -20° C - +40° C, <90% humidity |
| Recommended max. shelf life | 5 years except the batteries, <1 year |

Laboratory Attenuation (EN352-1:2020)

Table 7: MT73H7A4410EU

| | f (Hz) | | | | | | | | | | | Weight |
|----------------------|--------|------|------|------|------|------|------|------|------|------|------|--------|
| | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | H | M | L | SNR | |
| MV (dB) | 17.1 | 25.6 | 34.5 | 34.5 | 36.6 | 39.6 | 38.3 | 37.2 | 32.9 | 25.4 | 34.7 | 449 g |
| SD (dB) | 2.4 | 1.2 | 3.0 | 2.8 | 2.1 | 3.0 | 3.1 | 1.4 | 1.2 | 1.7 | 1.1 | |
| APV = MV - SD . (dB) | 14.7 | 24.4 | 31.5 | 31.7 | 34.5 | 36.6 | 35.2 | 36 | 32 | 24 | 34 | |

Table 8: MT73H7P3E4410EU

| | f (Hz) | | | | | | | | | | | Weight |
|----------------------|--------|------|------|------|------|------|------|------|------|------|------|--------|
| | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | H | M | L | SNR | |
| MV (dB) | 18.9 | 23.8 | 30.2 | 35.9 | 34.5 | 35.5 | 33.9 | 34.6 | 31.5 | 25.1 | 32.9 | 472 g |
| SD (dB) | 3.7 | 3.3 | 3.6 | 2.4 | 3.1 | 4.1 | 3.8 | 3.1 | 2.2 | 2.6 | 2.2 | |
| APV = MV - SD . (dB) | 15.2 | 20.5 | 26.6 | 33.5 | 31.4 | 31.4 | 30.1 | 32 | 29 | 23 | 31 | |

Table 9: MT73H7A4410EU with gel cushion

| | f (Hz) | | | | | | | | | | | Weight |
|----------------------|--------|------|------|------|------|------|------|------|------|------|------|--------|
| | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | H | M | L | SNR | |
| MV (dB) | 15.3 | 23.0 | 35.6 | 37.1 | 38.1 | 41.1 | 38.3 | 39.1 | 32.4 | 23.3 | 34.3 | 509 g |
| SD (dB) | 2.7 | 2.0 | 2.9 | 2.2 | 2.1 | 3.2 | 2.1 | 1.7 | 1.2 | 2.2 | 1.1 | |
| APV = MV - SD . (dB) | 12.6 | 21.0 | 32.7 | 34.9 | 36.0 | 37.9 | 36.2 | 37 | 31 | 21 | 33 | |

Table 10: MT73H7P3E4410EU with gel cushion

| | f (Hz) | | | | | | | | | | | Weight |
|----------------------|--------|------|------|------|------|------|------|------|------|------|------|--------|
| | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | H | M | L | SNR | |
| MV (dB) | 19.0 | 22.4 | 29.6 | 38.1 | 35.1 | 39.6 | 38.2 | 36.3 | 31.3 | 24.4 | 33.2 | 532 g |
| SD (dB) | 4.7 | 3.0 | 3.5 | 2.5 | 3.1 | 4.8 | 4.4 | 2.1 | 2.1 | 2.7 | 1.9 | |
| APV = MV - SD . (dB) | 14.3 | 19.4 | 26.1 | 35.6 | 32.0 | 34.8 | 33.8 | 34 | 29 | 22 | 31 | |

User limitation: Never modify or alter this product

In the Box

1 x 3M™ PELTOR™ LiteCom Plus Headset

1 x Battery (ACK081B)

1 x Hygiene kit HY83

1 x Mic Tape HYM1000-100

1 x User instruction



WARNING

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protection at all times that you are exposed to noise may result in hearing loss or injury.** For correct use, consult supervisor and User Instruction, or call 3M PSD Technical Service in the USA at 1-800-665-2942.



WARNING

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations for guidance on how to adjust attenuation label values. In the absence of applicable regulations, it is recommended that the SNR be reduced to better estimate typical protection.



IMPORTANT

The 3M™ PELTOR™ LiteCom Plus Headset operates on radio communication frequencies that may be subject to end-user licensing by local government agencies. The user is responsible for contacting the local government agency and obtaining any necessary licences prior to using the two-way communication radio.

Warranty and Important Notice

Warranty

The warranty does not cover any damage caused by neglected maintenance or careless handling. For more information on maintenance, please see the user instruction. For complete warranty condition, contact your dealer or local 3M office.

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence. 3M acknowledges the respective Trademark Owners' rights in this literature.



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